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Energy Equipment Catalog

















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Thank you to all of our customers who have chosen the Acterra Group as their petroleum and maintenance equipment supplier.

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B-Skid Fuel Storage Tanks

300 – 2,000 Gallons Non-UL style B-skids are the choice of most farm and light commercial applications. The full length B-skid properly supports the tank and its contents from shifting.



Mfg#	Capacity	Size	Gauge	SW/DW
BHT120100	300	38	14	SW
BHT120110	500	48	13	SW
BHT120120	1000	48	12	SW
BHT120130	1000	64	12	SW
BHT120140	2000	64	10	SW

B-Skid Fuel Storage Tanks

300 – 2000 Gallons UL style B-skid tanks are the choice of most commercial applications. Single wall and double wall options are available. Double wall meets EPA SPCC containment requirements.



Extended warranties available through F921 and Flameshield

through F921 and Flameshield technology. Includes (3) 2" FNPT threaded top bungs & (1) lifting lug.

Mfg#	Capacity	Size	Gauge	SW/DW
BHT220100	300	38	12	SW
BHT220110	550	48	12	SW
BHT220120	1000	48	10	SW
BHT220130	1000	64	10	SW
BHT220150	2000	64	7	SW
BHT320100	300	38	12	DW
BHT320110	550	48	12	DW
BHT320120	1000	48	12	DW
BHT320130	1000	64	10	DW
BHT320150	2000	64	7	DW

Tank Packages - Complete Fueling Systems



Features

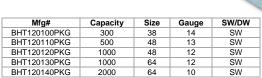
- Doublewall tanks to meet SPCC containment requirements
- UL 142 Listed
- F921 & Flameshield technology available
- Customizable to meet your fueling needs
- Fuel Management Options



Farm Tank Packages

This economical package includes all the essentials to get you up and running in a "farm" type application.

Call for options



Commercial Tank Packages

This package works well in most small commercial and industrial applications for refueling vehicles. Includes proper normal and emergency venting to meet fire codes.



- Includes:
- Fill-Rite 115vAC pump w/meter, hose, manual nozzle & anti-siphon kit
- · Pressure vacuum vent
- Emergency Vent(s)
- Golden Gauge

Mfg#	Capacity	Size	Gauge	SW/DW
BHT220100PKG	300	38	12	SW
BHT220110PKG	550	48	12	SW
BHT220120PKG	1000	48	10	SW
BHT220130PKG	1000	64	10	SW
BHT220150PKG	2000	64	7	SW
BHT320100PKG	300	38	12	DW
BHT320110PKG	550	48	12	DW
BHT320120PKG	1000	48	10	DW
BHT320130PKG	1000	64	10	DW
BHT320150PKG	2000	64	7	DW

Poly Tanks

Snyder Industries provides a full range of product designs, including closed or open-top vertical tanks in flat or cone-bottom



styles, horizontal, containment and a complete line of UN/DOT-approved intermediate bulk containers (IBCs).

Rhino Tuff Tanks

Rhino space-saving fluid systems are simple, dependable, and strong. All tank sizes can be stacked with each other, in any



combination. Rhino Tuff Tanks are available in 5 individual sizes including 80, 120, 180, 240, and 325 gallons. Our stand bases are available and have been created to match our tanks' specific contoured design. You can order complete systems including tanks, stands, valves, pumps, and reels, customized to your individual needs.

Vertical Tank Gauges

Tokheim gauges are ideal for all petroleum based products. Consists of a 12" diameter welded aluminum float, stainless steel measuring tape (graduated in feet, inches, and weights), and all essential fittings. Standard pipe not included.



Capacity
For tanks 18' or less
For tanks 19' to 25'
For tanks 16' to 35'
18' replacement tape

Gallon Gauge

Scully gauges are well suited for small tank applications that require a vapor tight connection from all the tank accessories on the tank top. Available in two styles; reads in gallons versus reads in inches.



Mfg#	Description	Reads In
SCU03101	275 gallon - 44"	Gallons
SCU03159	560 gallon - 48"	Gallons
SCU03160	1000 gallon - 48"	Gallons
SCU03161	1000 gallon - 64"	Gallons
SCU03117	48" diameter tanks	Inches
SCU03187	64" diameter tanks	Inches

Wooden Tank Sticks

When all else fails, the wooden tank stick tells it like it is. Calibrated in 1/8" increments and available up to 16' in length.



Mfg#	Overall	Measures	Style
BGS112	12'	10'	One piece
BGS114	14'	12'	One piece
BGS116	16'	14'	One piece
BGS2FL12	12'	10'	Folding
BGS2FL14	14'	12'	Folding
BGS2FL16	16'	14'	Folding

Interstitial Leak Gauges

Kruger Sentry gauges provide direct mechanical action to detect leakage of the inner tank. Ideal for double-wall tanks.





Mfg#	Description
KRV628	6" - 28" diameter tanks
KRV2942	29" - 42" diameter tanks
KRV4376	43" - 76" diameter tanks
KRV7796	77" - 96" diameter tanks
KRV97120	97" - 120" diameter tanks
KRV121144	121" - 144" diameter tanks
KRV628	6" - 28" diameter tanks

Don't see something you need...Call us at 800.289.7371 x140

At-A-Glance Gauges

Kruger Sentry gauges provide direct mechanical action, reliable construction and "at-a-glance" readability make this gauge a perfect choice for tanks with depths up to 12'.



Mfg#	Description
KRVH238	For 38" diameter tanks
KRVH244	For 44" diameter tanks
KRVH247	For 48" diameter tanks
KRVH264	For 64" diameter tanks

Clock Style Gauge

Morrison clock gauges measure liquid level in aboveground storage tanks. Gauge mounts on top of tank and is activated by a float connected to a cable. Readout is on a 12 hour clock face. Small hand = feet or meters Large hand = inches or centimeters. Gauge can be read 20-30 feet away to within 1/8 ". Maximum measurement is 12 ft.

Mfg#	Capacity
MOR8180100AG	2" gauge - male threads
MOR818F0100AG	2" gauge - female threads

Clock Style Gauge w/ Overfill Alarm

Morrison overfill alarms utilizes the 818 style clock gauge with a built-in high level warning alarm. Contains a battery powered, intrinsically safe, alarm unit that is mounted remote from gauge.



Alarm is set for desired level during installation and can be reset at any time for a change in alarm level requirements.

Mfg#	Capacity
MOR9180100AG	2" gauge - male threads
MOR918F0100AG	2" gauge - female threads

End Gauges

Rochester lever-action gauges are designed primarily for use in stationary horizontal cylindrical farm tanks or other tanks with flat heads. They are to be mounted on the centerline in the middle of the head.





Pressure Vacuum Vent

Morrison pressure vacuum vents are installed on the top of underground and low volume aboveground storage tank vent pipes. Vent allows tank to breathe during filling and discharging operations.



Mfg#	Description
MOR7490100AV	2", 8oz threaded
MOR7490200AV	2", 12oz threaded
MOR749S0100AV	2", 8oz slip on
MOR749S0200AV	2", 12oz slip on

Updraft Vent

Morrison atmospheric updraft vents are installed on the top of storage tank vent pipes on underground and aboveground fuel storage tanks. Open vents will allow unrestricted evaporation of product.

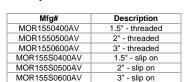


Mfg#	Description
MOR35401000AV	1.5" - slip on
MOR35402000AV	2" - slip on
MOR35403000AV	3" - slip on
MOR35404000AV	4" - slip on

Double Outlet Vent

Morrison aluminum T-style vent used primarily on small fuel oil storage tanks.

Outlet ports on either side of the inlet with 20 mesh stainless steel screen keeps debris out of the airway.



Combo Vent/Alarm

The Morrison audible alarm whistles when the liquid level in the aboveground storage tank reaches the preset level. The pressure vacuum vent allows the tank to breathe during filling and dispensing operations.



Mfg#	Description
MOR9220200AA	2" fill/vent alarm combo

Pressure/Vacuum Vent

Morrison pressure vacuum vent designed for installation on top of the vent pipe of a storage tank. The vent allows the tank to "breathe" during filling and dispensing operations. This vent must be used in conjunction with an emergency vent.



Mfg#	Description
MOR748A0200AV	2" 4oz/sq in.
MOR748A0400AV	2" 8oz/sq in.
MOR748A0600AV	2" 16oz/sa in.

Pressure/Vacuum Vent w/ Gauge Hatch

Morrison pressure/vacuum vents allow for "normal" venting of aboveground storage tanks. Allows tank to "breathe" during filling and discharging operations. Pressure/vacuum poppets seal vapors in the tank when pressure is equalized. This vent must be used in conjunction with an emergency vent.

Mfg#	Description
MOR548A0200AV	2" 4oz/sq in.
MOR548A0400AV	2" 8oz/sq in.
MOR548A0800AV	3" 4oz/sq in.
MOR548A1000AV	3" 8oz/sq in.

Emergency Vent – Female Threads

Morrison emergency vents (pressure relief) are used on aboveground storage tanks, as a code requirement that helps prevent the tanks from becoming overpressurized and rupturing if exposed to fire. UL and ULC listed.



Mfg#	Description
MOR2440100AV	4", 8oz/sq in.
MOR2440200AV	6", 8oz/sq in.
MOR2440600AV	8", 8oz/sq in.

Emergency Vent – Male Threads

Morrison emergency vents (pressure relief) are used on aboveground storage tanks, as a code requirement that helps prevent the tanks from becoming overpressurized and rupturing if exposed to fire. UL and ULC listed.



Mfg#	Description
MOR244M0100AV	4", 8oz/sq in.
MOR244M0200AV	6", 8oz/sq in.
MOR244M0600AV	8", 8oz/sq in.

Emergency Vent – Flanged

Morrison emergency vents (pressure relief) are used on aboveground storage tanks to help prevent the tank from becoming over-pressurized and rupturing if exposed to fire.



Mfg#	Description
MOR244F0100AV	8" 8oz/sq in.
MOR244F0400AV	10" 8oz/sq in.
MOR244F01102G	8" flange gasket
MOR244F03102G	10" flange gasket
MOR244F0107AN	8" nut & bolt set
MOR244F0507AN	10" nut & bolt set
MOR244C01001F	8" flange
MOR244C02001F	10" flange

Combo Fill Cap & Vent

Morrison combo caps are designed for tank filling applications where tight fill connections are not required and venting needs to take place through the same opening.



Mfg#	Description
MOR3790100AC	2" fill cap & vent combo

Foot Valves & Check Valves

Morrison foot and check valves are installed at the inlet of suction lines as a prime holding valve. Used as prime holding check valves typically in suctions systems. Designed for use in vertical piping systems.



Mfg#	Description
MOR7490100AV	2", 8oz threaded
MOR7490200AV	2", 12oz threaded
MOR749S0100AV	2", 8oz slip on
MOR749S0200AV	2", 12oz slip on
MOR335B0100AV	1.5" vertical check
MOR335B0200AV	2" vertical check

Anti-Siphon Valve

Morrison anti-siphon valves are used to help prevent the accidental siphoning of a product from a tank in the event of a leak downstream below the liquid level.



Mfg#	Description
MOR910ER0000AV	1.5" ASV, 50 PSI
MOR910ER0100AV	2" ASV, 50 PSI
MOR910ER1000AV	1.5" ASV 25PSI
MOR910ER1100AV	1.5" ASV, 25 PSI

Solenoid Valve

Morrison normally closed solenoid valves help prevent accidental siphoning of product from a tank in the event of a fracture in the pipe or other cause for leak downstream and below the liquid level. Valve opens upon receipt of an electronic signal such as when a dispenser or pump is switched to the on position.

Mfg#	Description
MOR71001001V	1" solenoid - Viton
MOR71001501V	1.5" solenoid – Viton
MOR71002001V	2" solenoid - Viton
MOR71003001V	3" solenoid - Viton

Emergency Shutoff Valve

Morrison single poppet emergency shutoff valves are installed on fuel supply lines under dispensers to minimize collision and fire hazards at the dispenser. It is designed to shut-off the flow of product in the event of a dispenser impact or a fire involving the dispenser. (male & female available).

Mfg#	Description
MOR636F0000AVU	1.5" x 1.5" impact valve – female
MOR636F0200AVU	2" x 2" impact valve – female

Stage I Vapor Recovery Adaptor

Morrison Stage 1 vapor recovery adaptors mate with vapor recovery elbows and couplings as a connection device to return fuel vapors from the tank to the delivery vehicle tank truck during the filling operation.



Mfg#	Description
MOR3230100AA	4" x 3" VR adaptor
MOR3230200AA	4" x 4" VR adaptor
MOR3230300AA	4" x 3" VR adaptor - Viton

Overfill Prevention Valve

These valves are installed at the fill port of a storage tank. Designed for use in pressurized fill systems and requires a tight fill connection. The valve can be set to the desired 90% or 95% shut off level by using standard length pipe nipples.



Mfg#	Description
MOR9095A0200AV	2" valve w/ 2" x 4" disconnect
MOR9095A0500AV	2" valve w/ 2" disconnect
MOR9095A0300AV	3" valve w/ 3" x 6" disconnect
OPW61SOM4121	4" valve for gravity systems - E-85
OPW61fSTOP100M	2" valve for pressure systems - E-85

AST Remote Spill Container

Remote fill boxes are simple 7-15 gallon capacity cabinets providing containment of small spills during tank filling operations.



Mfg#	Description
BHT920000	Remote spill box for 2" pipe
MOR7150100AC	Spill box - 4" female thread 7.5 gal

Top 7.5 Gal AST Spill Container

Tank top spill containers are designed to contain small spills that occur at the fill point on aboveground storage tanks.



Mfg#	Description
MOR5180100AC	Spill box - 4" female thread 7.5 gal

Top 3.5 Gal AST Spill Container

For use on aboveground storage tanks for the purpose of containing small fuel spillage during remote tank filling operations.



Mfg#	Description
MOR5170100AC	Spill box - 2" male thread 3.5 gal
MOR5170200AC	Spill box - 4" male thread 3.5 gal

Pre-Vent Fill Cap

Replacement Pre-Vent fill caps are for aboveground gasoline or diesel fuel storage systems. Convenient to lock, the cap provides automatic pressure & vacuum relief @ 2.5psi & 1.5oz.



Mfg#	Description
CIM60003	2" - cap only
CIM60001	2" cap & adaptor

Threaded Style Fill Cap

Designed for tank filling applications where a tight fill connection is not required. Adaptor permanently threads onto riser pipe of fill nipple, cap threads onto adaptor.



Mfg#	Description
MOR1780100AC	2" - iron fill cap
MOR1780700AC	2.5" - iron fill cap
MOR1780900AC	3" - iron fill cap
MOR1781300AC	4" - iron fill cap

FUEL PUMPS

Cabinet Dispensing Systems (Coming summer 2014)

Fill-Rite's all new line of cabinet pumps and meters provide a fuel dispensing solution for virtually every application. The Fill-Rite legacy of rugged durability and pride in workmanship are clearly evident.

Mfg#	Description	Meter	Pump
FR902DP	900DP Cabinet	900DP	No
FR302DP	900 DP + 300 Cabinet	900DP	FR300
FR910PM	PM W&M Cabinet	TS10A	No
FR102PH	Pedestal nozzle hook	No	No



FR3210B High Speed 12v DC Pump

Fill-Rite pump delivering 25 gallons per minute, the FR3200 can fill a 500-gallon tank in just 20 minutes. And because it weighs less than 50 pounds, the FR3200 makes your operation highly mobile.



Mfg#	Description
FIL712110	25 gpm, hose, and nozzle

FR1210C & FR1211C 12v DC Pump

Fill-Rite standard DC pump dispenses up to 15 GPM (57 LPM). The FR1210C is ideal for pumping gas, diesel fuel and kerosene. The FR1210C comes complete with 12' static wire hose and manual nozzle.



Mfg#	Description
FIL712030	12VDC hi-speed pump - w/o register
FIL712040	12VDC hi-speed pump w/ register

FR700V & FR701V 115v AC Heavy Duty Transfer Pump

Fill-Rite rugged, positive displacement,
Heavy Duty pump is UL listed. Explosion
proof UL listed 1/3 HP motor (115 VAC60Hz) with sealed bearings, Heavy Duty
switch, thermal overload protection and junction box.

Mfg#	Description		
FIL712000	115VAC pump - 20gpm w/ register		
FIL712010	115VAC pump - 20gpm w/out register		

FR301V & FR311V 115/230 Volt Pump / With Meter

Fill-Rite High Flow AC Utility Rotary Vane Pumps. The FR311V has an open flow rate of 30 GPM.



Mfg# Description	
FIL712010	115VAC pump - 30gpm w/ register
FIL712020	115VAC pump - 30apm w/o register

12V DC Pump

GPI 12-volt DC Aluminum Gear Pump for fuel with manual unleaded nozzle. Up to 15 GPM. Includes 18 ft. power cord, 3/4 in. x 12 ft. 3.7 m) hose, and adjustable suction pipe.



Mfg#	Description	
GPI712030	12VAC pump - 15gpm (#25)	
GPI712040	12VAC pump - with meter	
GPI712050	12VAC High Speed pump - w/out meter	

115v AC Vane Pump

GPI 115-volt AC Vane Pump for fuel with manual leaded nozzle. Delivers up to 20 GPM. 1 inch NPT outlet. Includes 1 in. x 3/4 in. bushing and 3/4 in. 12 ft. (3.7 m) hose.



Mfg#	Description
GPI712000	115 V with register 20 gpm
GPI712010	115 V without register
GPI712020	115 V with register and super duty pump

CUBE 56-70

Piusi USA diesel fuel dispenser for nonretail use. Self-priming vane pump fitted with bypass and automatic nozzle with swivel connection.



Mfg#	Description
0057500C	CUBE 56 AC or DC 15 gpm
F0059100A	CUBE 70 AC or DC 18 gpm

CUBE 70 MC

Piusi USA Diesel fuel dispenser for nonretail use with fuel management system. Fitted with oval gear meters and an electronic unit for multiuser control and pre-selected dispensing. Local memory



capable of storing data for last 255 operations. Interfaces with PC for sending and organizing data. Possibility of entering vehicle registration number, miles, date and time of dispensing operation.

Mfg#	Description
F0059400C	CUBE 70 mc AC or DC version 18 gpm

PIUSIBOX Refueler

Piusi USA PIUSIBOX is the answer to the need of re-fuelling quickly and safety in almost place. Includes a powerful and reliable self-priming transfer pump capable of delivering 45 l/min, complete with cables and switch, Delivery hose and pump nozzle, Suction hose with foot valve.

Mfg#	Description
F0023100A	12 V Basic
F0023101A	12 V Pro (includes filter)

LUBRICATION EQUIPMENT

General Lubrication Pumps (Medium Pressure)

Lincoln stub pumps are built with the same rugged reliability and powerful performance you've come to expect from Lincoln. They are super quiet—the quietest pumps on the market. They deliver increased output for faster product delivery. And they let you handle a wider range of applications with total mounting flexibility.



Mfg#	Ratio	Description
LIN456340	3:1	Bare stub pump
LIN456010	3:1	Pump & accessory kit
LIN456240	5:1	Bare stub pump
LIN456020	5:1	Pump & accessory kit

General Lubrication Pumps (High Pressure)

Lincoln air operated lube equipment models featuring our high-pressure series 20 and series 40 grease pumps have been performance proven in automotive, agricultural, heavy duty, marine, construction and industrial facilities throughout the world. These pumps are built for power, durability and dependability and these exclusive engineering features ensure top performance and longer service life.

Mfg#	Ratio	Description
LIN452940	50:1	Bare stub pump - 2.5" stroke
LIN918	50:1	Pump & accessory kit for 120 lb drum
LIN84667	50:1	Bare stub pump - 4.5" stroke
LIN926	50:1	Pump & accessory kit for 400 lb drum

Low Pressure Transfer Pumps

Lincoln Stub pump design provides the versatility to transfer and dispense controlled amounts of lubricant using an oil spigot, control valve or meter. Adaptable for 16 or 55 gal. containers as well as bulk tank or standpipe installations. Delivers 12.5 cu. in. per cycle. Includes air motor 84831, pump tube 84828, suction tube, bung bushing, air coupler and air nipple.

Mfg#	Ratio	Description
LIN84829	1:1	Transfer pump

Medium Pressure Oil Pump Kits

Complete with pump, lubricant connecting hose, volume elbow, air connecting hose, air coupler, and air nipple. Kits for 55-gallon drum application also come with 2" NPT bung bushing. Ideal for use in maintenance shop, car dealership, lube truck, and many more. Kit does not include the drum.



Mfg#	Ratio	Drum	Description
LIN456210	3:1	55 gal	Stationary pump kit
LIN2437	3:1	16 gal	Stationary pump kit
LIN456350	5:1	55 gal	Stationary pump kit
LIN2537	5:1	16 gal	Stationary pump kit

High Pressure Grease Pumps

Lincoln pump dispenses 45 ounces or 80 cubic inches of NLGI 0-2 grease per minute at 150 psi. Assures positive prime at lowest temperature. Height 43 1/8 ". Base 17" square.



Mfg#	Ratio	Description
LIN917	50:1	Chassis Lubri-gun with Base
LIN917-57	50:1	Chassis Lubri-gun w/o Base
LIN456200	50:1	Chassis Lubri-gun with hand truck

Low Pressure Barrel Pumps

Lincoln transfer pump quickly transfers fluids from 55-gallon drums. 2" bung bushing adjusts to drum lengths. Designed to stall against lubricant pressure. Use built in air control valve to adjust fluid output flow.

Ratio	Description
1:1	Pump & accessory kit

Lever Action Barrel Pump (Lincoln)

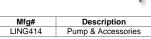
Fits 30-5 gallon drums. Delivers 10 oz. per stroke. Includes standard bung bushing. Designed for transfer of petroleum based, noncorrosive liquids. Rugged, corrosive-resistant finish. Curved metal spout features threads to fit all garden hoses.



Mfg#	Description
LIN456490	Lever pump

Lift Action Steel Piston Pump w/ Fixed Spout

Lincoln zinc-plated steel drum pump for use with noncorrosive liquids. Fits all 2" drum openings on 30-55 gallon drums. Features die-cast head and curved metal spout.



Aluminum Diaphragm Pump

Lincoln 1" U.L. Listed corrosion-resistant aluminum double diaphragm pump creates a powerful suction to drain used fluids quickly, and transfers them though a completely enclosed system to any type of remote storage tank.



Mfg# Description	
LIN84811	1" pump - 35 gpm

Plastic Diaphragm Pump

Lincoln pump fluid transfer for autos, trucks and buses, construction, and mining equipment. The units can handle industrial process and waste fluids, solvents, lightbodied adhesives and printing inks.



Mfg#	Description
LIN85622	1/2" Polypropylene pump

FUELING ACCESSORIES

Farm Pump Hose with Static Wire

Utilizing brass hose ends and ferrules rather than chrome, this hose remains economical dispensing hose for low to medium use. For use with all types of gasoline, oil and petroleum based products.



Mfg#	Type	Size	Length
GDR112208	Farm hose w/ static wire	3/4"	8'
GDR112210	Farm hose w/ static wire	3/4"	10'
IRP360100	Farm hose w/ static wire	3/4"	12'
GDR361300	Farm hose w/ static wire	3/4"	14'
GDR116208	Farm hose w/ static wire	1"	8'
GDR116210	Farm hose w/ static wire	1"	10'
IRP360100	Farm hose w/ static wire	1"	12'
GDR361330	Farm hose w/ static wire	1"	14'

Pumpflex Service Station Curb Hose

Designed for superior resistance to harsh effects of all modern fuels and additives. Curb pump hose designed for self-service stations and highly sensitive electronic fuel pumps. U/L Listed.



Mfg#	Туре	Size	Length
GDR361170	Pumpflex I - softwall	5/8"	10'
GDR361220	Pumpflex I - softwall	5/8"	16'
GDR360150	Pumpflex I - softwall	3/4"	10'
GDR360190	Pumpflex I - softwall	3/4"	14'
GDR360130	Pumpflex I - softwall	3/4"	17'
GDR360340	Pumpflex I - softwall	3/4"	20'
GDR360050	Pumpflex I - softwall	1"	10'
GDR390160	Pumpflex I - softwall	1"	12'
GDR360070	Pumpflex I - softwall	1"	15'
GDR350320	Pumpflex I - softwall	1"	20'

Pup" Swivels

Swivel is compact and light for easy handling. It has a high flow-rate due to laminar flow design. It is multi-plane,



with a full 360-degree spherical rotation for easy movement.

Mfg#	Description
HUS0350	3/4" M X 3/4" F swivel
HUS0352	1" X 3/4" F swivel
HUS0087	1" M X 1" F swivel
HUS4860	1" M X 1" F Hi-Flow swivel
HUS0350	3/4" M X 3/4" F swivel

E-85 Swivel & Breakaway

Designed for use with today's alternative fuels, and features a protective, electroless, nickel-plated body and spout to prevent contamination of methanol fuels.



Mfg#	Description
OPW45M0492	E-85 Alternative Fuel Swivel
OPW66V0492	E-85 Alternative Fuel Breakaway



Reusable Breakaways

Recouples easily without the need for a repair kit. Designed to be lightweight, easy to resnap and break at or under 350 pounds pull.



Mfg#	Description
OPW66REC-1000	3/4"F breakaway
RIC4930	3/4"F breakaway

Hi-Volume Reusable Breakaways

1-inch valve allows almost unrestricted flow for fast, high-volume fill- ups. Designed to break at or under 350 pounds pull.



Description
1"F breakaway
1.25"F x 1"F breakaway

Single Use Breakaways

Breakaway helps reduce or eliminate damage resulting from accidental drive away at refueling stations. Requires replacement after initial separation.



Mfg#	Description
HUS2273	3/4"F X 3/4"F breakaway
RIC4920	3/4"F X 3/4"F breakaway
RICT1002	1"F X 1"F breakaway
RICBR150	1 1/2"F X 1 1/2"F breakaway
RICBR200	2"F X 2"F breakaway

Spacer Hose

Hose allows easy installation of any breakaway regardless of being used on a high-hose retail dispenser or a commercial cabinet pump.



Mfg#	Description
IRP124021	3/4"M X 6"M spacer hose
IRP123061	1"M X 12"M spacer hose

DOT Truck Placards

10.75" x 10.75 decals that comply with DOT regulations. Also available in aluminum. Printed on one side.



Mfg#	Description
MAYTP1075	1075 Liquid Petroleum Gas
MAYTP1203	1204 Gasoline
MAYTP1865	1863 Aviation
MAYTP1987	1987 Alcohol, NOS

Pump & Tank Decals (4" x 13.5")

NO SMOKING

Mfg#	Description
MAY180150	Diesel
MAY180160	Unleaded
MAY180170	Flammable
MAY180070	No Smoking

Many other placards and decals in stock

FUELING NOZZLES

Automatic Fuel Nozzles (3/4")

Designed with today's consumer in mind. Small, trim, light in weight, easy and convenient to use, along with its strong body, durability and good service.



Mfg#	Model	Spout	Color
OPW11A0100	11A	Leaded	Green
OPW11AP100	11AP	Unleaded	Green
OPW11A0200	11A	Leaded	Silver
OPW11AP0200	11AP	Unleaded	Silver
OPW11A0300	11A	Leaded	Red
OPW11AP0300	11AP	Unleaded	Red
OPW11A0400	11A	Leaded	Black
OPW11AP0400	11AP	Unleaded	Black
OPW11A0500	11A	Leaded	Blue
OPW11AP0500	11AP	Unleaded	Blue
OPW11A0750	11A	Leaded	Gold
OPW11AP0750	11AP	Unleaded	Gold
OPW11A0900	11A	Leaded	Yellow
OPW11AP0900	11AP	Unleaded	Yellow
RIC540110	1A	Leaded	Red
RIC540120	1AP	Unleaded	Blue
RIC540100	1A	Leaded	Yellow
OPW11A0100	11A	Leaded	Green
OPW11AP100	11AP	Unleaded	Green
OPW11BP980	11BP	Unleaded	Green
OPW11BP940	11BP	Unleaded	Red
OPW11BP970	11BP	Unleaded	Black
OPW11BP990	11BP	Diesel	Green
OPW11BP130	11BP	Diesel	Yellow

Hi-Flow Truckstop Nozzle

HIGH FLOW heavy-duty nozzle with an over-sized spout that is designed specifically for commercial use such as truck stops, fleet operations and cardlock facilities. Its 3-position hold



open device allows for easy setting of the desired flow rate.

Mfg#	Model	Spout	Color
OPW7H0100	7H	1" Hi-Flow	Green
OPW7H0400	7H	1" Hi-Flow	Black
OPW7H0900	7H	1" Hi-Flow	Yellow
HUS17331003	1+VIII	1" Hi-Flow	Green
HUS17331004	1+VIII	1" Hi-Flow	Black
HUS17331005	1+VIII	1" Hi-Flow	Yellow

Automatic Farm Nozzle

Farm, 12V skid tank pumps, or larger pumps without air eliminators. Not to be used for gravity pumps. Not legal for retail dispensing.



Mfg#	Model	Spout	Color
HUS045704	1GS	Unleaded	Blue
HUS045703	1GS	Leaded	Red
HUS045710	1GS	Hi-Flow	Green

"Super" Delivery Nozzle

Fast sure delivery & shut off. No twisted hoses with built in swivel in the handle.



Mfg#	PSI	Size
SCU05917	5	1.5" x 1.5"
SCU05918	2	1.5" x 2"
SCU05919	2	2" x 1.5"
SCI 105920	2	2" X 2"

E-85 Compatible Nozzles (3/4')

Designed for use with today's alternative fuels, and features a protective, electroless, nickel-plated body and spout to prevent contamination of methanol fuels.



Mfg#	Type
OPW11AP0492	E-85 Alternative Fuel Nozzle

Bulk Delivery Nozzle

Manual shutoff nozzle for use in bulk fueling in pressure applications.



Mfg#	Description
MOR189S0100AN	2" Alum. w/9' Tube (Viton)
MOR189S0200AN	2" Alum. w/36" Tube (Viton)
MOR189S0500AN	2" Alum. w/o Tube (Viton)
MOR189S0300AN	2" Alum. w/9' Tube (Teflon)
MOR189S0400AN	2" Alum. w/36" Tube (Teflon)
MOR189S0600AN	2" Alum. w/o Tube (Teflon)

Automatic Delivery Nozzle

1.5" automatic delivery nozzle for heavy-duty, high-flow truck, bus, and home fuel oil delivery service.



Mfg#	Description
RICNR600	1 1/2" Inlet New
OPW12900050	1 1/2" Inlet New
RICNR600	1 1/2" Inlet Rebuilt
OPW12900055	1 1/2" Inlet Rebuilt

Manual Delivery Nozzle

This trim, modern designed nozzle is light & easy to hold. The heavy-duty body and increased size of the wear lugs make this the most rugged fuel oil nozzle available.



Mfg#	Model	Description
EBW41030003	410	1 1/4" Manual w/o tube
EBW41041003	410	1 1/2" Manual w/o tube
EBW41012201	410	1 1/8" Brass Tube (1.25" Thread)
EBW41013301	410	1 3/8" Brass Tube (1.25" Thread)
EBW41011601	410	1 3/8" Brass Tube (1.5" Thread)
EBW41012901	410	1 5/8" Brass Tube (1.5" Thread)

Overwing Fueling Nozzle

Avgas fueling nozzle available with 1", 1¼" and 1½" threaded inlets. The red composite lever guard denotes AVGAS. Supplied complete with built-in swivel, ground wire assembly and dust cap.



	-
Mfg#	Description
OPW295SA0135	1" Overwing Service
OPW295SA0136	1 1/4" Overwing Service
OPW295SA0137	1 1/2" Overwing Service
OPW/295SA.I0220	1 1/2" Jet Service

Don't see something you need...Call us at 800.289.7371 x140 or x145

METERS

Piston Positive Flow Meter

The TCS model 682 series flow meter is a positive displacement meter that has a unique inline design consisting of three reciprocating pistons operating within their respective measuring chambers, where each piston works in a manner similar to an automobile engine.



Commercial Bulk Plant Meter

The TCS 700 series positive displacement rotary flow meter is designed to accurately measure liquids within the Adhesives, Agricultural, Aviation, Chemical, Food Processing, Paint, Petrochemical, Petroleum, Pharmaceutical, Printing, Textiles and other industries requiring precise liquid flow measurement.

Mechanial & Digital Precision Meters

Fill-Rite Precision Meters incorporate oval gear technology, eliminating metal-to-metal contact within the measuring chamber. This unique design promotes minimal wear, sustained accuracy, and low operating costs. •Truck metering •Bulk Plant/Terminal metering •Industrial Liquids •Industrial Process metering •Dispenser metering

Digital Meters

Fill-Rite 900DB, Digital Flow Meter has easy to read 4 digit LCD counter display. 6-40 GPM, +/- 1.25% accuracy. Measures in Gallons, Liters, Quarts, Pints, Ounces and User Defined Units. Battery Operated (2 AA batteries Included). 6-40 GPM, Operates at 50 PSI, 1" inlet/outlet.

Mfg#	Description
FR900DB	Digital Meter 1"

Mechanical Meter

Fill-Rite 1" Meter 6-40 GPM, The 901
Mechanical flow meter has a large
easy to read display, flow ports can be
positioned vertically or horizontally,
UL/cUL listed, handles fluid of any
viscosity, rated for Gasoline, Diesel,
Kerosene, mineral spirits, Stoddard solvents and
heptane. The 901 meter is a 4 wheel mechanical
meter designed for transfer pumps with a flow rate
of 6 to 40 GPM, this meter has a 1" inlet and outlet.

Mfg#	Description		
FIL712070	Mechanical Meter 1"		
FIL710210	Mechanical Meter 3/4"		

Digital Oil Meter

The Lincoln Model 857 is used for oils and ATF up to SAE 40 weight. Calibrated in quarts. Large electronic display to 999.9.



Inline Electronic Digital Meter

The Fill-Rite FR1118A10 is ideal for metering the transfer of diesel fuel and kerosene. It's easy to handle and easy to use. It can be installed in line or at the end of the hose. Using a turbine measuring system, the FR1118A10 provides the ability to dispense liquids with convenience and accuracy, and the five-digit LCD readout is a consistent performer under the toughest conditions.

Mfg#	Description		
FR1118A10	1" Inlet/Outlet (reduces to ¾") electronic meter 2 - 25 GPM		

Mechanical Fuel Meter

Designed to operate with low backpressure, this measure ensures high pump performance. Includes a convenient push-button reset & unique rotation inlet & outlet to eliminate elbows. 3-30 gpm



Mfg#	Description
GPIMD130G6N	3/4" NPT, 3 - 30 GPM, 4 Digit Display
GPIMD130G8N	1" NPT, 3 - 30 GPM, 4 Digit Display

Lube Meter

Choose from one of the latest positive displacement meters available from GPI. These compact meters are perfect for metering oil and provide exceptional reliability. Choose the LM50P when Pulse Out without Display meets your application. The LM50D model includes an easy to-read display. Both meters are designed with oval rotors for optimum accuracy.

Fuel Meter

GPI Mechanical Fuel Meter with strainer for gallons with 3/4 inch NPT inlet/outlet. UL Listed. 4 to 20 GPM (15 to 75 LPM). 3-digit display. 50 PSIG/3.4 bar.



Mfg#	Description
GPIFM200G6N	3/4" NPT meter, 4 - 20 GPM, with Strainer
GPIFM200G8N	1" NPT meter, 4 - 20 GPM, with Strainer
GPIMD130G6N	3/4" NPT, 3 - 30 GPM, 4 Digit Display
GPIMD130G8N	1" NPT, 3 - 30 GPM, 4 Digit Display

We stock many other items...Call us at 800.289.7371 x140 or x145

FILTERS

3/4" Low Volume, Spin On Filters

The Cim-Tek 200E Spin-on Filters are recommended for low-volume power pumps and gravity-flow applications. The 250E Spin-on Filter may be used with power pump units or dispensers, low-volume power pumps, gravity-flow applications, and low-volume commercial applications. Ethanol blends or methanol blends of 10% or less are compatible with the 200E and 250E Spin-on Filters; however, phase separation will not be detected if it occurs.

Mfg#	Model	Micron	Description
CIM70002	200E-10	10	Spin on filter w/ draincock
CIM70003	250E-10	10	Spin on filter w/o draincock
CIM70046	200E-30	30 Spin on filter w/ drainco	
CIM70062	260HS-10	10	Spin on filter
CIM70067	260HS-30	30	Spin on filter

1" Low Volume, Spin on Filters

The Cim-Tek 200AE Spin-on Filters are recommended for low-volume power pumps and gravity- flow applications. The 250AE Spin-on Filter may be used with power pump units or dispensers, low-volume power pumps, gravity- flow applications, and low-volume commercial applications. Ethanol blends or methanol blends of 10% or less are compatible with the 200AE and 250AE Spin-on filters; however, phase separation will not be detected if it occurs.

Mfg#	Model	Micron	Description
CIM70004	200AE-10	10	Spin on filter w/ draincock
CIM70005	250AE-10	10 Spin on filter w/o drainco	
CIM70045	200AE-30	30	Spin on filter w/ draincock
CIM70061	260AHS-10	10	Spin on filter
CIM70066	260AHS-30	30	Spin on filter

Spin On Filters for Ethanol Blends

The Cim-Tek 300M Filter Monitor for Ethanol Blends are spin-on filters developed to detect phase separation in ethanol- gasoline blended fuels. Ethanol blends of 10% or less are filtered with a 10-micron medium for particulate removal. The 300M and 300MGA will detect the point where phase separation occurs and slow the flow from the service station dispenser or pump to approximately 2 gpm/7.5 lpm or less. (15 GPM max)

Mfg#	Mfg# Model Micron		Description	
CIM70001	300M	10	Spin-on w/ ethanol monitor	
CIM70010	300-10	10 Service station spin-on		
CIM70012	300-30	30 Service station spin-on		
CIM70035	300MGA	10 High performance monitor		
CIM70059	300HS-10	10 Hydrosorb II spin-on		
CIM70066	260AHS-30	30 Hydrosorh II spin-on		











Spin On Filters for Ethanol Blends

The Cim-Tek 400M Filter Monitor for Ethanol Blends are spin-on filters developed to detect phase separation in ethanol- gasoline blended fuels. Ethanol blends of 10% or less are filtered with a nominal 10-micron medium for particulate removal. The 400M & 400MGA, a filter monitor combination, will detect the point where phase separation occurs and slow the flow from the service station dispenser

or pump to approximately 2 gpm or less. (25 GPM max)

Mfg#	Model	Micron	Description
CIM70015	400-10	10	High capacity spin-on
CIM70016	400-30	10	High capacity spin-on
CIM70038	400M	10	Fuel monitor spin-on
CIM70052	400MGA	10	High performance spin-on
CIM70060	400HS-10	10	Hydrosorb II spin-on
CIM70065	400HS-30	30	Hydrosorb II spin-on

High Volume Spin On Filters

The Cim-Tek 800 Series Spin-on Filters are designed for economical fuel filtration at service station, truck stop, and commercial fueling locations. Gasoline, diesel fuel, and fuel oils are efficiently filtered with resin-impregnated cellulose, high-performance microglass, HYDROSORB® I, or HYDROSORB® II media.



Mfg#	Model	Micron	Description
CIM70019	800-10	10	High volume spin-on
CIM70020	800-30	30	High volume spin-on
CIM70063	800HS-10	10	Hydrosorb II spin-on
CIM70068	800HS-30	30	Hydrosorb II spin-on

Spin On Filters for Ethanol Blends

The Centurion I has a single filter housing with a replaceable element for filtration of gasoline, diesel fuel, and fuel oils. The Centurion I is designed for service stations, truck stops, and commercial high-speed dispensing applications. A nominal 10-micron element is recommended for gasoline and diesel fuels.



Mfg#	Model	Micron	Description
CIM40002	1000-10	10	Filter housing & 1 element
CIM40093	1000HS10	10	Housing & Hydrosorb element
CIM40097	1000HS30	30 Housing & Hydrosorb elemen	
CIM30002	E10	10 Centurion replacement element	
CIM30004	E30	30 Centurion replacement element	
CIM30033	EHS-10	10 Hydrosorb replacement elemen	
CIM30036	EHS-30	10 Hydrosorb replacement elemen	
CIM40002	1000-10	10 Filter housing & 1 element	

Filter Adaptors

Economical cast iron adaptors are available in 3/4" and 1" with the high volume, aluminum adaptors are available in 1", 1-1/2" and 2" sizes.



Mfg#	Model	Micron	Description
CIM50002	200H-1	1"	For 200 & 300 series
CIM50003	200H3-4	.75" For 200 & 300 series	
CIM50004	200AH	1" For 200 & 300 series	
CIM50006	Alum	1.5" For 200 & 300 series	
CIM50015	Cast	1.5" For 200 & 300 serie	
CIM50011	820	2" For 800 series	
CIM50109	805	1" For 800 series	
CIM50163	810	1.5"	For 800 series

HOSE REELS

87000 Series Re-Engineered Hose Reels

The 87000 Series of hose reels from Lincoln represents a serious leap forward in performance and value. These new reels are the perfect fit with our constantly improving line of hose reels and complete offering of total lubrication equipment solutions.

Bare Reels

The 87000 Series serves your dispensing needs—low pressure for air or water, medium pressure for petroleum and synthetic fluids (i.e., oil and transmission fluid) and high pressure for grease.



Mfg#	Application	Inlet	Outlet	Max PSI
LIN87500	Grease	3/8"	3/8"	8000
LIN87300	Oil	1/2"	1/2"	2500
LIN87700	Air, ATF, Water	1/2"	1/2"	2500

Basic Reel w/ Hose

The applications for these reels include car/truck dealers, light duty lube trucks, fleet garages, oil change outlets, municipal garages, industry, and truckstop oil change centers. Includes reel, delivery hose, connecting hose & ball stop.



Mfg#	Application	Hose
LIN87532	Grease	1/4" x 30'
LIN87552	Grease	1/4" x 50'
LIN87334	Oil	1/2" x 30'
LIN87354	Oil	1/2" x 50'
LIN87732	Air, ATF, water	1/4" x 30'
LIN87752	Air, ATF, water	1/4" x 50'

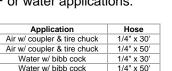
Low Pressure Reel Kits

LIN87732A

LIN87752A

LIN87732W

The low-pressure reel kits are best suited for air, ATF or water applications.





Medium Pressure Reel Kits

The medium pressure reel kits are bestsuited oil applications.

Mfg#	Application	Hose
LIN87334C	Oil - includes 769 control valve	1/2" x 30'
LIN87334D	Oil - includes 977 meter	1/2" x 30'
LIN87334M	Oil - includes 877 qts meter	1/2" x 30'
LIN87354C	Oil - includes 769 control valve	1/2" x 50'
LIN87354D	Oil - includes 977 meter	1/2" x 50'
LIN87354M	Oil - includes 877 qts meter	1/2" x 50'



High Pressure Reel Kits

The high-pressure reel kits are best-suited for grease applications.

Mfg#	Application	Hose
LIN87532G	Grease - includes 740 valve	1/4" x 30'
LIN87552G	Grease - includes 740 valve	1/4" x 50'



Heavy Duty Series

The Lincoln Heavy Duty Series reels are the toughest, longlife reels ever designed for reliable operation in the most demanding conditions. Years of engineering, testing and experience preceded their introduction. The quality and reliability the professional expects is not only met, but also exceeded in form and function by the HD Series.

Bare Reels

The Heavy Duty Series serves your dispensing needs—low pressure for air or water, medium pressure for petroleum and synthetic based fluids (i.e., oil and transmission fluid) and high pressure for grease.



Mfg#	Application	Inlet	Outlet	Max PSI
LIN82206	All	1/2"	1/2"	5000

Basic Reel w/Hose

Applications for these reels include car/truck dealers, light duty lube trucks, fleet garages, oil change outlets, municipal garages, industry, and truck stop oil change centers. Includes reel, hose, connecting hose & ball stop.



Mfg#	Application	Hose
LIN8500330	Grease	1/4" x 30'
LIN8500450	Grease	1/4" x 50'
LIN8500630B	Oil or water	3/8" x 30'
LIN8500450B	Oil or water	3/8" x 50'
LIN8500850A	Oil or water	1/2" x 50'

Low Pressure Reel Kits

The low-pressure reel kits are best suited for air, ATF or water applications.

Mfg#	Application	Hose
LIN85062	Air w/coupler & tire chuck	1/4" x 50'
LIN85063	Air w/coupler & tire chuck	3/8" x 50'
LIN85064	Water w/ 846 bibb cock	1/4" x 50'
LIN85064	Water w/ 846 bibb cock	3/8" x 50'



Medium Pressure Reel Kits

The medium pressure reel kits are bestsuited oil applications.

Mfg#	Application	Hose
LIN85054	Gear lube - includes 878 meter	1/2" x 30'
LIN85055	Gear lube - includes 878 meter	1/2" x 50'
LIN85056	Oil - includes 877 qts meter	1/2" x 30'
LIN85057	Oil - includes 877 qts meter	1/2" x 50'
LIN85060	Oil - includes 967 meter	1/2" x 30'
LIN85061	Oil - includes 967 meter	1/2" x 50'
LIN85054	Gear lube - includes 878 meter	1/2" x 30'
LIN85055	Gear lube - includes 878 meter	1/2" x 50'



High Pressure Reel Kits

The high-pressure reel kits are best-suited for grease oil applications.

Mfg#	Application	Hose
LIN85050	Grease – includes 740 valve	1/4" x 30'
LIN85051	Grease – includes 740 valve	1/4" x 50'



HOSE REELS

Spring Rewind Reels

To handle 1/4" through 1-1/2" I.D. hose. Most Hannay spring reel models are available with an air governor rewind assist, which prevents the hose from winding back onto the reel too quickly. Speed is regulated by restricting air flow through an

air governor attached to the rewind mechanism. The result is smooth, controlled rewind speed each and every time. Unlike other speed control mechanisms designed for spring rewind reels, there are 3 major advantages to the Hannay design:

Highly scalable – The air speed control governor can be scaled up to regulate speed on even the most powerful spring reels we offer. Other designs can only work on light-duty springs.

Operates in all climates – Because the AG Series uses air flow to control speed (not hydraulic fluid, which can change viscosity depending on temperature), the reel's rewind speed is controlled and unaffected, even by cold weather.

Fully adjustable – The end-user can turn the air restrictor clockwise or counterclockwise until the optimal rewind speed is found for the application.

- Narrow frame and compact mounting base.
- Non-sparking ratchet assembly.
- Declutching arbor to prevent damage from reverse winding.
- Standard inlet: 90° balanced pressure swivel joint
- Temperatures from -60°F to +250°F (-51°C to +121°C), optional temps to +400°F (+204°C) – must specify.
- 4-way roller assembly.
- Constant tension is available consult factory.

Mfg#	Hose Size	Application
Series N400	1/4" or 3/" ID	Gas Welding
Series N700	1⁄4" – 1⁄2" ID	Lubrication • Air/Water • Assembly Operations • Washdown • Air Tools • General Industrial Applications
Series 700	1⁄4" – 1⁄2" ID	Lubrication • Air/Water • Assembly Operations • Washdown • Air Tools • General Industrial Applications
Series N800	3⁄4" – 1" ID	Fuel Dispensing* • Waste Oil Evacuation • Air/Water
Series 800	3⁄4" – 1" ID	Fuel Dispensing* • Waste Oil Evacuation • Air/Water
Series 900	1¼" – 1½" ID	Bulk Transfer • Fuel Dispensing* • Suction/Discharge*
*Consult Facto	ry	







Manual or Power Rewind Reels

Since 1933, the fuel-lube and trucking industries have trusted Hannay Reels to dispense gas, water, air, and nitrogen. That's because our reels are not retrofitted to the job, but created specifically for fuel delivery applications.



Safer operation – Bond/ground fuel trucks; non-sparking ratchet assembly; explosion-proof motors

Custom design – Every reel is built to the unique vehicle specs, guaranteeing a perfect fit; suspended/IV reels allow access on either side of the vehicle



Long service life – Quality, heavy-duty design and construction result in reels that often outlast the vehicles they're used onLightweight, compact reels designed for long lengths of hose in manual and power rewind.

- Direct crank rewind is permanently attached.
- Chain and sprocket drive powered by electric, hydraulic or compressed air motor.
- Manual reels include cam-lock drag brake, spring actuated pin lock.
- Optional rollers: Specify roller position when ordering.
- Standard pressures to 2000 psi (138 bar), available up to 4000 psi (276 bar) – must specify.
- Temperatures from -40°F to +250°F (-40°C to +121°C).

Mfg#	Hose Size	Application
Series 4000	3⁄4" or 1" ID	Fuel Dispensing* • Water Supply • Fire Protection • Chemical Transfer
Series 600	½" – 1" ID	Fuel Dispensing* • Spray Operations • Fire Protection • Water Blasting
Series 7500	1" – 1 ½" ID	Fuel Dispensing* • Bulk Transfer • Suction/Discharge*
Series 8000	1½" or 2" ID	Fuel Dispensing • Bulk Transfer • Chemical Transfer • General Dispensing
Series 9000	2" – 3" ID	Fuel Dispensing • Bulk Transfer • Chemical Transfer • General Dispensing
*Consult Factor	ory	· •

Single Wrap Power Rewind Reels

To handle single 1-1/2" I.D. through 3" I.D. hose – great for aviation.

- Effortless and fast rewinding, wrapping, guiding of hose.
- Chain and sprocket drive powered by electric, hydraulic, or compressed air motor.
- · Auxiliary crank rewind, optional.
- 12 volt rewind, comet brake, reduction unit standard.
- · Air brake optional.
- Inlet, hub assembly is aluminum and/or stainless steel for iet fuel.
- Consult factory for other pressures & temps.



BULK FUELING

Postive Flow Meter

The TCS 682 reciprocating piston flow meter and 700 rotary meters combine outstanding accuracy (0.1% of flow rate) with one of

the widest turndown ratio's (250:1) in the industry. These meters have a

rugged industrial design that is tolerant to changing viscosities, temperatures and liquids with suspensions and solids. This proven design has over 70 years of unmatched performance and continues to provide the very best in flow measurement, backed by an industry leading 10 year warranty!

Mfg#	Housing
682SP	Anodized Aluminum
682SPD	Ductile Iron
682SS	316 Stainless Steel
700SP	Anodized Aluminum
700SDP	Ductile Iron
700SS	316 Stainless Steel

M[™] Series Meters

The Liquid Controls M™ Series is built for for trucks and dispensers. A standard in Class 1 (refined fuels) meters. No metal-to-metal contact within the measuring chamber provides low wear and long service life.



Accessories include air eliminator and strainer, valve and choice of mechanical or electronic registration with optional temperature /volume compensation.

Mfg#	Max Capacity	Max. Non-Shock Pressure
M-5	60 GPM	350 PSI +
M-7	100 GPM	350 PSI +
M-10	150 GPM	350 PSI +
M-15	200 GPM	150 PSI
M-25	300 GPM	150 PSI
M-30	350 GPM	150 PSI
M-40	450 GPM	150 PSI
M-60*	600 GPM	150 or 275 PSI
M-80*	800 GPM	150 or 275 PSI ++
*conditions a	apply	

MS™ Series Meters

The MS Series meters feature the same high-quality meter elements and accuracy that are the hallmark of all LCG PD meters. Housed in a spherical steel pressure shell rated up to 1,440 psi working pressure, and with flow rates to 1,200 gpm, the MS Series is ideal for terminal applications. Multiple inlet/outlet configurations provide wide-ranging mounting flexibility.

Mfg#	Max Capacity	Max. Non-Shock Pressure
MS-7	100 GPM	150 PSI*
MS-15	200 GPM	150 PSI*
MS-30	350 GPM	150 PSI*
MS-75	700 GPM	150 PSI*
MS-120	1000 GPM	150 PSI*
*higher PSI	options available	

Self-Priming Centrifugal Pumps

Gorman-Rupp self-priming centrifugal pumps are specifically designed for pumping petroleum products, petrochemicals, solvents, biofuels and today's fuel formulations. Multiple designs incorporate a variable capacity vane pump which quickly and



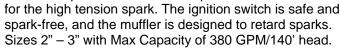
automatically evacuates air and vapor, making them ideal for off loading transports and stripping hoses.

Mfg#	Size	Max Capacity	Max Head
Roto-Prime®	3" x 2" to 6" x 5"	1400 GPM	390'
O Series®*	2" to 6"	1350 GPM	400'
80 Series®*	1 ¼" to 8"	2100 GPM	210'
*Close-coupled, electric motor driven pumps are available.			

Shield-A-Spark Engine-Driven Pump

Gorman-Rupp portable Shield-A-Spark self-priming centrifugal pumps are the safest approach to handling flammable liquids with an engine-driven pump. The unit features a shielded ignition

wire which provides an enclosed path





The Gorman-Rupp line of positive displacement rotary gear pumps is designed to provide performance no other pumps can match. These pumps are manufactured with unique features that enable them to perform better and last longer, making Gorman-Rupp gear pumps the premier pump in the petroleum industry.

Mfg#	Size	Max Capacity	Max Pressure	Max Viscosity
GMS Series	1" to 6"	600 GPM	150 PSI	250000 SSU
GHS Series	1" to 6"	600 GPM	300 PSI	2000000 SSU
GHA Series	1.5" to 4"	325 GPM	200 PSI	250000 SSU

End-Suction Centrifugal Pumps

Heavy-duty Gorman-Rupp VGH centrifugal pumps are engineered for maximum operating efficiency on a wide range of applications, from clean petroleum fluids to dirty liquids and mild abrasives. The pumps are supplied

with a heavy-duty oil lubricated bearing pedestal and can be mounted to explosion-proof electric motors as needed.

Mfg#	Size	Max Capacity	Max Head
VGH Series®	1.25" to 8"	4900 GPM	500'
60 Series®	2" to 8"	1450 GPM	390'
Æ	71 Table		







POWERLUBER™

PowerLuber™ Cordless Rechargeable Grease Gun

For years, Lincoln's PowerLuber has been the favorite of auto mechanics, industrial maintenance technicians.



fleet owners, contractors, farmers and others for almost every lubrication and preventative maintenance task imaginable. Even with all that power, the long-lasting, high amperage 18-Volt Lithium-lon battery lets you work longer between recharges. When you do need to recharge, our high-tech "Smart" Charger does it in less than one hour. The "Smart" Charger even recognizes battery condition when not in use, and keeps your battery ready to go.

18-Volt Lithium-Ion PowerLuber

The most advanced grease gun on the market combines superior battery technology, a Patent-Pending LCD display, and more.



Mfg#	Description	Batteries
LIN186400	18v Lithium-Ion PowerLuber w/ case	2
LIN1862	18v Lithium-Ion PowerLuber w/ case	1

18-Volt PowerLuber™

Developed for heavy-duty applications, the 18-volt PowerLuber features a highoutput motor and battery technologies that unite to provide outstanding run time.



Mfg#	Description	Batteries
LIN184400	18v PowerLuber w/ case	2
LIN184200	18v PowerLuber w/ case	1

14-Volt PowerLuber™

The 14.4-Volt series delivers over three times the grease output of our popular 12-Volt series.



One-hour, 110-volt smart charger

- Two 14.4-volt Hi-cap NiCad rechargeable battery
- 30" flex hose with spring guard
- Custom carrying case to hold optional rechargeable battery and two optional grease cartridges (grease not included)

Mfg#	Description	Batteries
LIN458000	14.4v PowerLuber w/ case	2
LIN144200	14.4v PowerLuber w/ case	1

12-Volt PowerLuber™

The enhanced 12-volt PowerLuber cordless grease guns deliver a consistent grease flow at up to 6,000 psi for quick and efficient lubrication.



Comes complete with:

- 110-volt fast charger
- Two 12-volt NiCad rechargeable battery
- 30" flex hose with spring guard
- Custom carrying case to hold optional rechargeable battery and two optional grease cartridges (grease not included)

Mfg#	Description	Batteries
LIN458060	12v PowerLuber w/ case	2
LIN124200	12v PowerLuber w/ case	1

Battery Packs & Chargers





Mfg#	Description
LIN185000	High output one-hour charger
LIN141000	110vAC 1-hour smart charger
LIN121000	110vAC 1-hour fast charger
LIN121500	12vDC charger - cigarette lighter adaptor
LIN186100	18v Lithium-Ion Battery
LIN180100	18vDC Battery
LIN140100	14vDC Battery
LIN120100	12vDC Battery

Electronic Lube Meters

- · Dispense motor oil, ATF, and gear lube
- One model can dispense pints, quarts, liters or gallons
- Automatic non-drip nozzle
- · Narrow nozzle fits into small I.D. ATF fill tubes
- · Digital display for accurate bulk dispensing
- .01 increment readout for precise measurement
- Includes inline swivel, rigid extension, automatic non-drip nozzle and inline containment filter

Mfg#	Description
LIN977000	Electronic meter for pts, qts, gals or ltrs
LIN456030	Electronic meter for pts, qts, gals or ltrs
LIN450370	Electronic meter for pts, qts, gals or ltrs
LIN957000	Electronic meter for pts, qts, gals or ltrs
LIN957F00	Electronic meter for pts, qts, gals or ltrs
LIN450380	Electronic meter for pts, qts, gals or ltrs
LIN480550	Electronic meter for pts, qts, gals or ltrs
LIN456710	Mechanical meter countdown 1/16 gal graduation
LIN481800	Mechanical meter countdown 1/4 gal graduation

Fluid and Volume Control Valves

These new fluid control valves provide all the benefits of the latest design technology, and offer all the features and components for a low-cost solution for your fluid dispensing needs.



- · Rugged aluminum construction
- Dispenses all automotive fluids: motor oils, gear oils, transmission fluid and antifreeze
- · All indoor and outdoor applications

Mfg#	Description
LEGLCG90001	Oil Control Valve
LEGLCG90002	Oil Control Valve
LIN456650	Shut-off valve 1/2" NPT inlet
LIN774000	Shut-off valve w 1/2" NPT inlet
LIN740000	Control valve – 1/4" NPT inlet

Grease Guns

The first choice of top mechanics and industrial maintenance professionals everywhere. These guns are designed for rough treatment on the job with a cast iron pump heads, precision fit plungers and extra heavy follower springs.



Mfg#	Description
LIN1163	Air operated – 16 oz bulk/ 14.5 oz cartridge

We stock many other items...Call us at 800.289.7371 x140 or x145

SPILL EQUIPMENT

Oil Only Pads

The economical choice to soak up hydraulic oil, diesel, fuel or any petroleum based fluid.



Mfg#	Description	Count
AMI950050	17" x 19" double weight perfed	100/bale
AMI13200S	17" x 19" single weight perfed	200/bale
AMI130500	34" x 38" double weight perfed	50/bale
AMI132200	17" x 19" medium weight perfed	100/bale

Oil Only Rolls

Premium grade for use indoors or outdoors to soak up petroleum spills even on uneven surfaces.



Mfg#	Description Count	
AMI13150	38" x 144' Double Weight	1/pack
AMI13152	19" x 144' Double Weight	2/pack
AMI13155	38" x 288' Single Weight	1/pack
AMI13156	19" x 288' Single Weight	2/pack

Portable Spill Kit

Great for areas in your plant prone to small spills or store in delivery vehicles for quick access. (4 per case).



Mfg#	Description	
AMI160010	General purpose kit	
AMI160000	Oil Only kit - petroleum only	
AMI160020	Hazmat kit - acid & caustic spills	

Oil Only Skimming Socks

When you only want to soak up the oil and leave the water behind. Can be used indoors or outdoors.



Mfg#	Description	Count
AMI950020	3" x 4' Blue Sock	40/case
AMI11038	3" x 8' Blue Sock	20/case
AMI11039	3" x 12' Blue Sock	4/case
AMI11035	3" x 20' Blue Sock	3/case

Oil Only Booms

Boom applications include: ditches, streams, retention ponds and waterways. Will not absorb water.



Mfg#	Description C	
AMI11505	5" x 10' long booms	4/bale
AMI950030	8" x 10' long booms	4/bale
AMI11520	5" x 20' long booms	2/bale
AMI11525	Double 5" x 10' long booms	2/bale
AMI11080	19" x 100' long booms	1/bale

95 Gal Drum Spill Kit

Each 95 Gallon Drum Overpack Spill Kit comes complete with everything you need to clean-up spill as large as 82 gallons. Open top, quality screw topped drum. Tough, secure and highly visible. 95 Gallon Drum Spill Kit assists you in complying with HAZWOPER Regulation 29 CFR 1910.120.



Drum Top Pads

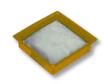
Keep your 55-gallon drums clean & neat. Prevents drips from running down the side to the floor.

Mfg#	Description	Count
AMI11476	Gray Universal Heavyweight	25/box
AMI11076	White Oil-Only Heavyweight	25/box
AMI11477	Mulit-color General Purpose	25/box

Drip Pans

Use under leaky spigots, hydraulic hoses or anywhere you don't want liquids on your floor.

Mfg#	Description	Case
AMI16849	10" x 10" outdoor pan	12
AMI16853	10" x 10" pillow pan	12
AMI16854	10" x 10" replacement pillow	40



All Purpose Absorbent

A fine granular diatomite product designed for hazardous waste solidification & cleanup. Absorbs over 100% of its own weight in liquids.

Mfg#	Description	Count
ILOASSB25	Solid-A-Sorb - 25 lb. Bag	Bag



Maintenance Sorbents

The economical choice to soak up hydraulic oil, diesel, fuel or any petroleum based fluid.

Mfg#	Description	Bale
AMI13100	17" x 19" double weight	100
AMI13200S	17" x 19" single weight	200
AMI13050	34" x 38" double weight	50
AMI13220	17" x 19" medium weight	100



Drum Work Station & Pallets

These secondary containment units are engineered to meet the rigors of today's regulatory environment. 100% polyethylene construction won't rust or corrode like metal units. All meet EPA 40 CFR 264.175 regulations.



Mfg#	Description
AMI1633	12 – 90 gallon drum work station
AMI1620	2-4 drum spill pallet

Hazardous & Flammable Storage

Keep 55 gallon drums close and safely contain flammable liquids or hazardous waste. Haz-Drum cabinets come with drum rollers for easy drum handling.



Mfg#	Description
AMI1904	4-60 gallon flammable storage
AMIHAZ1926	55-110 gallon hazardous storage

MANHOLES

Square Manhole

Morrison square manholes with nonbolted cover. Used for access ports in driveways where limited access and/or watertight conditions are not required.



Mfg#	Description
MOR4200100AM	20" x 20" square
MOR4240100AM	24" x 24" square

Test Well Manhole

Morrison Round manholes with nonbolted cover. Used for access ports in driveways where limited access and/or watertight conditions are not required.



Mfg#	Description
MOR318XA0100AM	9" x 7" Test Well

Monitoring Well Manhole - Bolted

Morrison Round manholes with bolted and gasketed cover. Used for access ports in driveways where limited access and/or water-resistant conditions are required. Bolts are standard hex head SS. Buna-N Gaskets.



I	Mfg#	Description
ı	MOR418XA0500AM	7" x 10" limited access
ı	MOR418XA0400AM	12" x 12" limited access
ı	MOR418XA1100AM	18" x 18" limited access

Tank Monitor Manhole

Morrison round manhole with non-bolted cover. Used for access ports in driveways where limited access and/or watertight conditions are not required.



Mfg#	Description
MOR080310	18" x 12" Tank Monitor
MOR418TM1200AM	18" x 18" Tank Monitor

Limited Access Manhole

Morrison round manhole w/ bolted and gasketed cover. Used for access ports in driveways where limited access and/or water-resistant conditions are required. Bolts are standard hex-head SS. Buna-N Gaskets.



Mfg#	Description
MOR4180200AM	12" x 7" limited access
MOR4181000AM	18" x 12" limited access
MOR4181100AM	18" x 18" limited access

Replacement Manhole Lids

Mfg#	Description
EBW78130601	EBW 18" diamond black steel cover
EBW78130401	EBW 18" below grounds fiber cover
EMC566332	Emco A1004-3 manhole cover
EMC566526	Emco A1004 slimline cover
OPWD11M	OPW 10" manhole cover
OPWE327M	OPW #1 manhole cover
OPWC115M	OPW 7.5" manhole cover

Monitoring Well Manhole - Skirted

Morrison round manholes with bolted and gasketed cover. Used for access ports in driveways where limited access and/or water-resistant conditions are required. Bolts are standard hex head stainless steel. Buna-N Gaskets.



Mfg#	Description
MOR418XAW0300AM	9" x 12" skirted
MOR418XAW0400AM	12" x 12" skirted
MOR418XAW0700AM	9" x 12" painted skirt
MOR418XAW0800AM	12" x 12" painted skirt

Watertight Well Manhole

Morrison premium grade monitoring well manhole. Fully watertight, one-piece cast iron ring and skirt.

Permanent black triangle on white warning decal with brass well plate for stamping well number. Buna-N seal (replaceable). Stainless steel bolt machined with o-ring groove, made to say on cover when removed.

Mfg#	Description
MOR5190100AM	9" watertight
MOR5190200AM	12" watertight

Vapor Recovery Manhole

Morrison round manhole with non-bolted cover. Used for access ports in driveways where limited access and/or watertight conditions are not required.



Mfg#	Description
MOR318VR0400AM	18" x 18" Vapor Recovery

Standard Manhole

Morrison round manhole with nonbolted cover. Used for access ports in driveways where limited access and/or watertight conditions are not required.



Mfg#	Description
MOR3180100AM	9" x 7" non-bolted
MOR3180200AM	12" x 7" non-bolted
MOR3181200AM	18" x 18" non-bolted
MOR3181600AM	36" x 12" non-bolted

Lightweight Manhole

A lightweight, large diameter cover that is as strong as steel and reasonably priced. For use on service station drives. Meets H-20 load requirements. Epoxy coated recessed steel handle,



slip resistant surface, fire resistant. Lab tested in all weather and seasonal conditions for maximum strength and corrosion resistance.

Mfg#	Description
MOR318L3800AM	38" x 10" non-bolted
MOR318L3900AM	38" x 18" non-bolted
MOR318L4400AM	44" x 10" non-bolted

FUEL MANAGEMENT

FUELMASTER® Plus Series

The FuelMaster® Plus Series saves you money by eliminating manual tracking of fuel transactions and increasing accountability. The FuelMaster® Plus series adds additional features that make



it the most effective fuel management system on the market for many years to come.

- Electronic Read/Write Keys
- Patented Radio Frequency Tag System
- Self-Serve Retail support
- Modular design & construction

FUELMASTER® Mobile FMU 3535

The FUELMASTER® mobile FMU 3535 mobile system provides remote locations the same fueling technology available on the fuel island. This mobile fuel management unit (FMU) operates like the fuel island and can be downloaded by telephone, direct PC connection, cell modem, and wireless network.



FUELMASTER® AIM2™

FuelMaster® AIM2™ (Automotive Information Module), the next generation of automated fuel accounting technology, offers an 'on-board' vehicle computer interface with reduced installation time. We are able to pull back data on everything from odometer, chronometer, idle time and more. "Don't let your vehicles wander around AIM-less!"

OPW - AFC™

With the AFC™ Fuel Control System managing your fleet, you'll never have to wonder when vehicle maintenance is due, who gets which fuel type, where your fuel goes, or how to keep track of your vehicles. This turnkey fuel control system for small to mid-size fleets is easy to use and set-up. The AFC's™ durable, weatherresistant stainless-steel construction ensures years of uninterrupted service. One stand-alone AFC terminal can control 2 to 8 hoses.

OPW FIT500™

OPW's FIT500™ fuel management system combines leading-edge technology with a futuristic look and solid stainless steel durability, creating an unequalled 24-hour fuel management system with the quality and reliability that OPW is renowned for. The FIT500™ is the ultimate fuel management system for advertising special promotions inside the store and for strengthening your brand identity.

OPW Petro Vend 100®

The OPW Petro Vend 100® (PV100®) Fuel Control System for small or midsized fleets requiring 1 or 2 hose control. It ships ready-to-use with 50 preconfigured users needing only power, pulser and hose-control line connections in order to initiate the system. The PV100® stores dispensed fuel amounts as card and pump totals, to be viewed on the display or

OPW PetroLink™

retrieved via USB flash drive.

The PetroLink™ Wireless Fuel Control System monitors and records vehicle I.D., mileage and other important fueling information solely through the use of RFID technology. The



PetroLink™ system is comprised of four components, two of which are installed on the vehicle with the other two installed at the fueling location.

- Provides the highest level of fuel security, accountability and control
- No wires, special swivels or fuel authorization cards
- Accurately captures data without driver intervention
- Pull up, fill up and go!

PIUSI CUBE

The PIUSI Cube is a diesel fuel dispenser for non-retail use. The Cube can be fixed to walls, tanks cisterns, drums, special pedestals. Self-priming vane pump fitted with bypass, installed on anti-vibration



supports. The local memory is capable of storing data for last 255 operations. Interfaces with PC for sending and organizing data. Magnetic keys (Kit keys) available for user identification.

PIUSI MC BOX

The PIUSI MC Box is a non-retail fluid monitoring system when connected to the pump and pulse meter allows the control of any fluid. The system consists of a multi-user panel and software kits, which enable either a hard wire or



wireless connection. The MC Box has a capacity to manage up to 120 users with either user keys or a 4 digit PIN. LITE version available for up to 4 users.

Select iX Fleet Fuel Management

Installed in Wayne Select fuel dispensers, the iX Fleet IDT simplifies the user interface by moving access control to the point of fueling. The iX Fleet gateway server provides centralized remote system management capturing and storing information from the dispenser. It delivers exceptional presorting functionality, from an easy-to-use dashboard display interface.

DIESEL EXHAUST FLUID

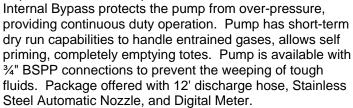
115V Pump Package

Vane Pump in a small compact design.
Superior Suction Lift capabilities and
Internal Bypass protects the pump from over-pressure,
providing continuous duty operation. Pump has short-term
dry run capabilities to handle entrained gases, allows self
priming, completely emptying totes. Pump is available with
3/4" BSPP connections to prevent the weeping of tough
fluids. Package offered with 12' discharge hose, Stainless
Steel Automatic Nozzle, and Digital Meter.

Mfg#	Description
FRSA120801MA	115V Pump Package
FRSA120801MATU	115V Pump Package (w/mounting plate)
FRSA120801MATUC	115V Pump Package (w/mounting plate & hardwall)

12VDC Pump Package

Fill-Rite 12VDC Stainless Steel Rotary Vane Pump in a small compact design. Superior Suction Lift capabilities and



Mfg#	Description
FRSD120801MA	12VDC Pump Package
FRSD120801MATU	12VDC Pump Package (w/mounting plate)
FRSD120801MA	12VDC Pump Package (w/mounting plate & hardwall)

PIUSI Blue Box

Metal box with lock and complete dispensing unit. Can be fitted to both the wall and tanks, featuring electronic flow meter K24 to monitor the dispensed quantity, automatic nozzle, bottom pipe and valve.



DEF Nozzle

Automatic shut off Diesel Exhaust Fluid (DEF) nozzle for full-service and self-service stations.

- · Materials compatible with DEF
- Nozzle shuts off when the DEF tank is full
- Available with magnetic Accufuel[™] safety feature.

Mfg#	Description
HUS731004	Automatic Nozzle
HUS731092	Automatic Nozzle w/Spout Ring & Accufuel
OPW21GU	Automatic Nozzle w/ Mis-Filling Prevention Device
OPW21GU-SSB	Stainless Steel Swivel / Reconnectable Breakaway

Tote & Drum Dispensing Systems

DEF Solutions for agriculture, heavy duty equipment, municipalities, truck dealers, buses, commercial trucking companies, and more. Custom applications can be designed to fit your individual needs.



DEF Transfer Pump

Electric DEF pumps are built with rugged plastic components and have a proven record of performing in tough conditions. Diesel Exhaust Fluid pumps are available in 115 Volt AC and 12 Volt DC versions.



Mfg#	Description
GPIP120DEF	12VAC electric pump
GPIPA120DEF	115VAC electric pump
GPILP50	Lever Hand Pump
PIUSIF0020301A	SuzzaraBlue AC pump 230/50
PIUSIF0020400A	SuzzaraBlue DC pump 12V

DEF Digital Meters

Diesel Exhaust Fluid meters were specifically designed to handle harsh chemicals. Our meters are nylon and PBT polyester and are proven to perform in the harsh Ag Chem market.



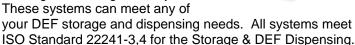
Mfg#	Description
GPI111325524	Nylon DEF meter
GPI12000032	Ag Chemical Meter

Portable DEF Delivery Carts & Skids

Portable DEF bulk delivery systems can replace or delay the need for an expensive dedicated DEF tank truck. These systems can replace or delay the need for an expensive dedicated DEF tank truck. We can custom design a skid to your needs, from a mechanical to a fully electronic system that includes the Weights & Measures approved piston or rotary meters.

Commercial, Fleet, and Retail Bulk Systems

These American made DEF Storage and Dispensing Systems are designed to easily integrate with fuel islands as well as your existing fuel management system.





DEF Dispenser

The Blue1USA DEF dispenser is designed for use in either commercial or card lock locations where demanding use requires high performance reliability. Every Blue1USA dispenser is pre-wired per UL and CSA electrical standards. The Weights & Measures certified dispenser is perfect for card lock locations and resale establishments. Rugged design provides many years of reliable performance and long-term value.

Wayne A GE Energy Business

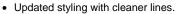
Wayne is forging new directions with advanced fuel dispenser equipment that enables retailers to do more with



less. A global fuel dispenser manufacturer for retail and fleet applications, Wayne is leading the way with technological advances on multiple fronts, from eco-fuel solutions and regulation-compliant pay-at-the-pump security to multimedia marketing and groundbreaking site control systems. Acterra is an authorized Wayne distributor.

Ovation2™

The new Ovation2 dispenser is a true leader in the fuel dispenser industry. From design to functionality, these outstanding features will benefit your customers and you. New features include:



- 25% larger branding area.
- · Robust, tempered glass for all viewing windows.
- Expanded use of steel cladding helps enhance durability against weathering, aging, & abuse.
- Crisp, high-contrast, white-on black displays help improve visibility both day & night.
- · Redesigned payment area enhances privacy, ergonomics, & transaction flow.
- Enhanced tactile response on soft keys improves feedback.
- Replaceable metal skins enable new graphic options and field
- Stainless steel options available.



Wayne's industry-leading Ovation™ LX and Ovation™ fuel dispensers sets the standard in customer-friendly fueling. With its enhanced, industry-first payment and alternative fueling features, the Ovation dispenser is designed for flexible configurability. Wayne's iX Pay Secure Payment Module represents the cutting edge of compliance and security and is designed specifically to meet the latest security standards for PCI Encrypting PIN Pad (EPP), PCI fuel terminal requirements, Interac, and more.

Helix™ Retail Fuel Dispenser

The Helix[™] 4000 dispenser offers a sleek, iconic look in a small footprint and can accommodate up to three meters and up to four hoses. Take advantage of multiple configurations, blending and non-blending, payment, and variable flow rates. The Helix™ 5000 dispenser boasts the aesthetics and capabilities of the Helix™ 4000 dispenser, but has greater flexibility that can handle up to four meters and up to an eight-hose configuration.

Vista™ Retail Fuel Dispenser

Cost-effective ownership, durability and configurability have made the Vista™ fuel dispenser a mainstay in the industry. It is tough enough to handle harsh forecourt environments yet flexible enough to meet your sites' specific demands. Designed for upgradeability, the Vista dispenser allows you to expand functionality as your business grows.



Helix™ 2000 Fuel Dispenser

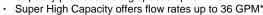
If you're working within a confined site, the Helix 2000 dispenser delivers practicality and the latest features in a small package ideal for small retail service stations, truck stops and specialty applications like marinas or airports. Equipped for two hydraulics and available as lane & island-oriented models.

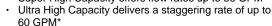


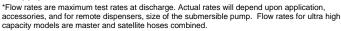
Select & Reliance Fleet Dispensers

The Select and Reliance Series dispensers' provide outstanding performance backed by exceptional state-of-the-art technology. These are available in three flow rate configurations.











The Wayne DEF Dispenser is designed to protect against cold temperatures protecting hoses, nozzles, and other components from freezing. The high-grade internal components of Wayne's DEF dispenser help prevent contamination of DEF.



- DEF-compatible hydraulics with internal 5-micron filter.
- Heated and insulated cabinets without the need for additional temperature-controlled enclosures
- All components including hose and nozzle are heated to keep the DEF from freezing
- Thermostatically-controlled heater only runs as needed to limit operational costs
- Self-closing doors help make sure the nozzle and hose stay heated and help eliminate concerns that doors will be left open

Vista CNG Dispenser

The Wayne Vista™ CNG dispenser uses a patent-pending, reliable no-air purge design and incorporates proven payment terminal technology. The Vista CNG dispenser is designed with standard Wayne communication protocols so it works seamlessly with popular point-of-sale and fleet fuel control systems. Both retail and fleet models are available.



ALTERNATIVE FUELS

E-85 & Biodiesel Retail Fuel Dispenser

Wayne Eco-fuel dispensers are specifically designed for ethanol blends and biodiesel* providing retailers with the latest in fuel compatibility. Eco-fuel dispensers are compatible with petroleum for the ultimate in flexibility. You can continue to dispense



gasoline now and be prepared to offer alternative fuels in the future. Eco-fuel dispensers are available in a variety of configurations including blenders that offer the ability to blend alternative fuels with gasoline or diesel. The dispensers also feature hard anodized or nickel-plated castings and stainless steel piping to meet the unique requirements of eco-fuels such as biodiesel and E85.

E-85 Compatible Nozzles

Designed for use with today's alternative fuels, and features a protective, electroless, nickel-plated body and spout to prevent contamination of methanol fuels.



Mfg#	Туре
OPW11AP0492	E-85 Alternative Fuel Nozzle

Eco-Fleet Dispensers

The Select Eco Fuel Series dispenser meets UL safety standards for complete ethanol-dispenser systems with features such as a hydraulic system fuel path constructed of nickel-plated components and stainless-steel piping. In addition, the dispenser's fluid seals contain (or "are made of") fluorocarbon compounds. All of these materials can withstand the corrosive properties of higher-ratio ethanol fuel blends such as E85.

Ethanol E85 Pumps

These cast iron or nickle plated ethanol pumps are specifically designed for use with E85. U.L. Listed to U.S. and Canadian safety standards. Hose and nozzle sold separetely.



Mfg#	Description
GPI133720-01	Cast iron pump
GPI133740-01	Nickel plated pump

Heavy Duty Biodies Pumps

Fill-Rite's line of biodiesel compatible fuel transfer pumps make it possible to pump alternative fuel – biodiesel (B21 to B100) with the same accuracy, durability and reliability you've come to expect from



Fill-Rite. DC and AC models are available to meet most application needs.

Mfg#	Description
FRBD1210C	DC rotary vane pump (up to 15 gpm)
FRBD4210D	DC high flow pump (up to 20 gpm)
FRBD700	AC rotary vane pump (up to 20 gpm)
FRBD310	AC high flow pump (up to 35 gpm)

Biodiesel Mechanical Meter

These Fill-Rite Mechanical flow meters have large easy to read displays, flow ports can be positioned vertically or horizontally, UL/cUL listed, seals compatible for Biodiesel 20-100.



Mfg#	Description
FRBD807CMK	3-wheel mechanical meter
FRBD901MK	4-wheel mechanical meter

Biofuel Filters

Dispense Clean Bio–Fuel Cim-Tek® Filtration has taken fuel filtration to the next level in its BioTek® Line of products. BioTek® combines all of the state-of-the-art advances in fluid filtration to offer:



- Bio-Tek® exclusive Progressive Density® 2 micron filtration
- 3–4 times longer filter life due to higher dirt holding capacity
- Models to detect Phase Separation and Water in the fuel
- Unique Pre-Lubed gaskets...reduces installation time
- · Dispenser & Pump Filters for all bio-fuels

Mfg#	Model	Micron	Description
CIM70236	260BHG-10	10	Spin-On Water & Particulate
CIM70008	400BHG-10	10	Spin-On Particulate Filter
CIM70036	800BMG-10	10	High Volume Alcohol
CIM70024	800BHG-10	10	High Volume B100

Biodiesel & E85 Hose

Specifically designed for transfer of soy bio diesel and E85 ethanol, leaded and unleaded gasoline and kerosene.



Mfg#	Description
GDR390180	3/4" X 8.5' biofuel hose
GDR360200	3/4" X 12' biofuel hose

B100 Conversion Kit

Conversion & Overhaul Kit includes two gears, the drive key and replacement seals for the gear cover, motor shaft (use motor shaft seal to convert existing pump to B100 compatible), poppet, strainer and switch cover-plate.



Mfg#	Description
GPI110504-1	B100 overhaul kit
GPI110906-03	B100 shaft seal kit

Complete Biofuel Systems

The Acterra Group's Manufacturing
Division builds customized biofuel tank
applications. These systems are
manufactured and shipped directly to
your location. Simply plug in the system
and it is ready for use. Systems are constructed under
Steel Tank Institute (STI) and Underwriters Laboratory (UL)
fabrication standards. Tanks can be singlewall or
doublewall construction. We also offer fire-rated systems

utilizing Fireguard® and Flameshield®.

TANK MONITORS

Remote Tank Monitoring

TankScan® remote level-monitoring systems for liquid bulk storage tanks provides easy access to accurately view inventory levels, which can



eliminate costly run outs. TankScan level monitoring systems measure the level of virtually any liquid on any type of tank.

- Micropowered Radar sensors located on each tank transmit data to central controller
- On site controller receives data from all site tanks and sends to single PC or internet data site.
- Web based or PC based software interprets data and displays key information.

TLS-450 Automatic Tank Gauge

The Veeder-Roote TLS-450 is futureforward technology and our most fully featured tank gauge solution.



Designed to monitor and help protect your tanks, it offers industry-leading accuracy and maximum flexibility for your station operations. Manage inventory, deliveries, and alarm information from any computer, smart device/phone, or iPad - anywhere. Key features:

- Web enabled, allowing users to manage fuel and compliance information online from any Web browser at any location
- Leverages business inventory reconciliation (BIR) technology to identify and reconcile variances in your fuel deliveries
- Utilizes AccuChart II for pinpoint tank calibration
- Fully scalable, for today/tomorrow's needs

Mfg#	Description
TLS-450	Automatic Tank Gauge
TLS-350 Plus	ATG includes fuel management solutions

TLS-350 Automatic Tank Gauge

The TLS-350 is the most widely installed tank gauging solution in the world. Offers the benefits of in-tank inventory, proven leak detection, complete compliance, and the ability



to upgrade with additional connectivity for optimum flexibility - all with the reliability that only comes with more than a half million tank installations worldwide. Key features:

- Continuous inventory monitoring and reporting
- Flexibility to choose the compliance and fuel management features
- Leading-edge leak detection technology as an upgrade option
- SiteFax capability to allow you to send multiple reports across multiple fax lines on a programmed schedule that you set

Mfg#	Description
TLS-350	Automatic Tank Gauge
TLS-350 Plus	ATG includes fuel management solutions
TLS-350R	Automatic Tank Gauge

Electronic Liquid Level Gauge

The Morrison 1018 series gauge displays the liquid level of product stored in an aboveground tank. The mechanical gauge measures the liquid level and converts the reading to an electronic signal which is displayed on the console.



SiteSentinel® Integra 100™

The OPW SiteSentinel® Integra 100™ Provides complete tank monitoring. inventory management and environmental-compliance testing through the incorporation of the latest computer technology, which allows users to view data remotely from anywhere in the world.



Includes: One (1) four-channel I.S. Barrier

- Maximum of 16 Model 924B Probes
- Maximum of 64 IntelliSense™ Sensors

SiteSentinel® iSite

The SiteSentinel® iSite™ has been designed to lower installation costs by reducing the number of wires to the probes and sensors that are connected to its VSmart Module. In addition, all



devices are automatically detected and configured by using the touch-screen interface, making it one of the easiest ATG systems in the industry to install, configure and use. Includes:

- Includes address book of contacts to whom the unit can send text messages, fax and/or emails on any alarms and events
- Able to schedule reports to automatically run at specific times
- Automatic Calibration and Reconciliation (ACR)
- Non-volatile memory for event storage up to ten years
- Compliance calendar accessible with a single touch
- Monitors up to 256 probes, 1024 sensors and/or 16 VLLD sensors

SiteSentinel® iTouch™ Console

OPW's SiteSentinel® iTouch™ is a multifunction.

high-quality tank-monitoring system that provides real-time, accurate



inventory information for up to 16 underground storage tanks. The enhanced performance of the SiteSentinel® iTouch™ improves data processing, allows for future system expansion and can be customized to meet each user's needs.

Tank Management System with in-tank leak detection

Pneumercator has designed a truly low cost, high performance solution designed to meet all of your environmental compliance and inventory management needs.



Complete with every feature you need, the TMS 3000 has a simple, user-friendly interface. Extremely flexible, modular system architecture, completely field configurable and upgradeable. Support for up to 12 precision, dual float magnetostrictive level probes.

GENERATORS

Portable Generators

Generac's GP and XP Series portable generator lines offer options for recreation, work or home. With sizes up to 17500 Watts, you can take your power with you wherever you need it.



- · Electric Start Models include starting battery
- Never-Flat Wheels & Fold-Down Handles for easy portability
- · Hour Meter tracks usage and includes maintenance resets
- Low-Tone Muffler provides quiet operation

Mfg#	Туре
5981	GP1800 Watt Portable
5982	GP3250 Watt Portable
5939	GP5500 Watt Portable
5943	GP7500E Watt
5735	GP17500E Watt Portable
5778	XP4000 Watt Portable
5798	XP7000 Watt Portable
5747	XP8000 Watt Portable

Standby Generators (UL Listed)

Guardian Series – 25, 30, 45, 60 kW. The higher kW nodes of Generac's Guardian Series are ideal for larger homes and small businesses.



- The solid reliability of an automotivestyle, liquid-cooled engine provides whole-house power protection for larger homes, and small-to-medium-size businesses such as convenience stores, restaurants and offices.
- Continuous fuel choices in LP and natural gas offer cleanerburning fuel solutions than traditional diesel engines.

High Output Generators

QuietSource Series – 22,27,36,48 kW Premium features are standard on the ultimate small sized standby generator. For discerning property owners with larger homes and buildings, these units are powered by a low-speed engine for



extra-quiet operation and come standard with an aluminum enclosure.

- Ideal for homes requiring higher kW backup for amenities such as additional living areas, garages and air conditioners, pools, greenhouses, guest houses, mother-in-law suites, medical needs, and more.
- The low-speed, liquid-cooled engine is engineered to run at only 1800 RPM for a substantially quieter generator, consuming less fuel, and giving both the engine and the alternator a longer life

Inverter Generators

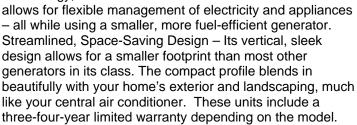
Bring a Generac portable genrator to your next tailgate party or camping trip for all the comforts of home wherever you are. Power applicances, charge electroics, watch TV or listen to music. Units available from 800 – 2000 watts.



- Compact, Lightweight design
- FlexPower™
- 1.0 gallon fuel tank
- 2 5-20R outlets
- Pull start handle

Home Standby Generators

Power the essentials and more with the 8 or 20 kW standby generators paired with Milbank's automatic transfer switch. Utilizing our Power Management Technology, the automatic transfer switch allows for flexible management of electricity of the standard o



Commercial Standby Generators

Eliminate your loss from power outages with one of Milbank's commercial-sized standby generators. Supported by the best commercial warranty in the industry



and an easy monitoring system, you can be confident, that when the power goes out, you won't be left in the dark. Designed to offer you more options for large homes and businesses with increasing electrical demands, commercial generators are part of a complete line of standby generators. Sizes available from 35 – 62 kW.

Transfer Switches

Get more power out of your standby generator with our automatic transfer switch featuring patented power management technology that allows you to manage the load of one or two air conditioners while keeping critical appliances powered. Flexible, indoor or



outdoor, transfer switch placement make it convenient to install. All of our weather–resistant transfer switches are NEMA3R rated for maximum protection against dirt, rain, sleet and snow.

- Fully Automatic
- Patented Power Management Technology
- Computer Friendly
- Electronic Program Read-Only Memory
- Variable Engine Warm-Up
- 3-year limited parts and labor warranty

Wireless Monitor

Easy, trouble-free monitoring is a reality with the new Milbank Basic Wireless Monitor. Place the wireless monitor in your home and know your generator is working without ever having to go outside.



LIGHTING & SOLAR

Induction Canopy Lighting

AGT's Canopy Light for gas stations and other canopy installation uses a powder coated steel housing and tempered glass lens. The fixtures are built for maximum durability, while the



mirror quality reflector distributes even illumination over a broad area. The GS01 is IP54 Rated with a weather seal gasket. The induction lamp provides outstanding lumen maintenance and a rated lamp life of 100,000 hours.

Induction Shoebox Lighting

AGT's compact Shoebox features a powder coated, cast aluminum housing with a high impact, tempered glass lens mounted with a weather seal gasket. For ease of access, the lens door opens at the front. The mirror finish aluminum



reflector distributes even illumination over a broad area, which makes the Shoe Box perfect for illuminating walls, walkways, and parking lots, to name a few. The SB01 also works well as a wall pack for accent lighting on building perimeters. The fixture is IP65 Rated. The induction lamp provides outstanding lumen maintenance and a rated lamp life of 100,000 hours.

Induction Wall Pack Lighting

AGT's small WP02 features a powder coated, cast aluminum housing coupled with an acrylic lens mounted with a weather seal gasket. The highly polished reflector distributes even illumination over a broad area perfect for illuminating walls and entrances.



The dark-sky friendly design does well in small spaces and above entry doors and is an excellent option for soft accent lighting. The fixture is IP54 Rated. The induction lamp provides outstanding lumen maintenance and a rated lamp life of 100,000 hours.

LED Canopy Lighting

The Legacy LED Canopy fixture is the latest innovation in LED canopy lighting. Designed to Replace the LSI Scottsdale – installs quickly into existing 4" hole without extra cutting, drilling or caulking. Available in 2 sizes and lumens up to 23,523.



- One-person Installation
- · High Performance, Low Cost
- Performance Driven
- · Better Light Distribution more illumination on your dispensers
- Extremely Slim Optical Unit –flush look against the canopy

Call us at 800.289.7371 x124 For more information

240 Watt Solar Modual

Using breakthrough technology, made possible by nearly 50 years of proprietary research and development, Sharp's ND-240QCJ solar module



incorporates an advanced surface texturing process to increase light absorption and improve efficiency. Common applications include commercial and residential grid-tied roof systems as well as ground mounted arrays. Designed to withstand rigorous operating conditions, this module offers high power output per square foot of solar array. Sharp solar modules are manufactured in the United States and Japan, and qualify as "American" goods under the "Buy American" clause of the American Recovery and Reinvestment Act (ARRA).

Off-Grid Inverter

Using breakthrough technology, made possible by nearly 50 years of proprietary research and development, Sharp's ND-240QCJ solar module incorporates an advanced surface texturing process to increase light absorption and improve efficiency. Common applications include



commercial and residential grid-tied roof systems as well as ground mounted arrays. Designed to withstand rigorous operating conditions, this module offers high power output per square foot of solar array. Sharp solar modules are manufactured in the United States and Japan, and qualify as "American" goods under the "Buy American" clause of the American Recovery and Reinvestment Act (ARRA).

Charge Controllers

The FLEXmax family of charge controllers is the latest innovation in Maximum Power Point Tracking (MPPT) charge controllers from OutBack Power. The innovative FLEXmax MPPT software algorithm is both continuous and active, increasing your photovoltaic array power yield up to 30% compared to non-MPPT controllers. Thanks to active cooling and intelligent thermal management cooling, both FLEXmax charge controllers can operate at their full maximum current rating, 60 Amps or 80 Amps respectively, in ambient temperatures as high as 104°F (40°C).

Off-Grid Batteries

Rolls Surrette batteries are known for their rugged, dual container construction. Each cell is encapsulated in its own inner container made with a high grade, polypropylene shell and its own heat bonded cover. These safety measures allow the battery to still be operable should the outer container break, eliminati



should the outer container break, eliminating the hazard of a toxic sulfuric acid spill.

Our partners









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(1) Franklin Fueling Systems

















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